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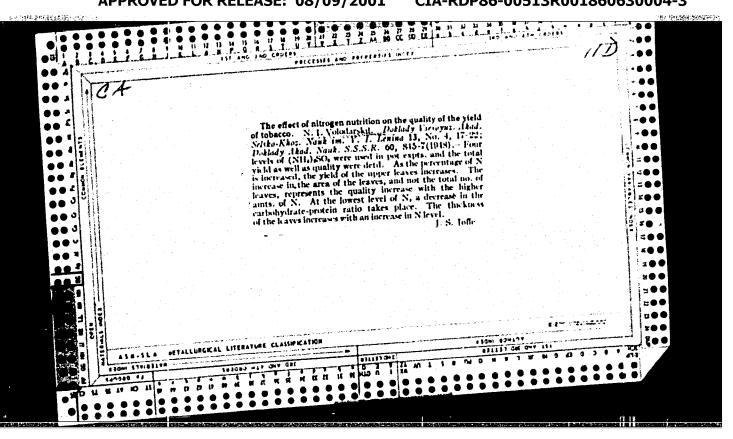
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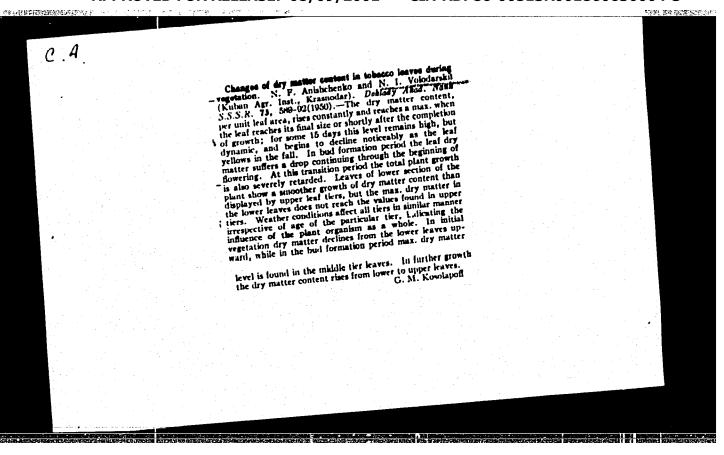
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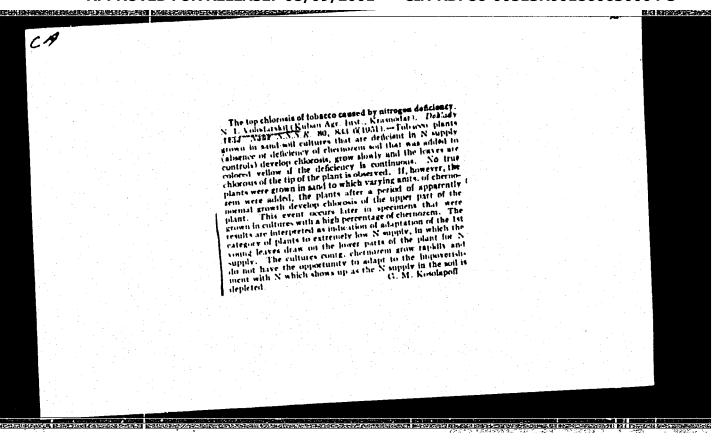
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So: Vechernava Meskva January-December 1952

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Effect of nitrogen nutrition on processes of growth and form development in tobacco. Trudy Inst.fiziol.rast. 8 no.2:134-174 [54. (MLRA 8:5)

1. Institut fiziologii rasteniy im. K.A. Timiryazeva Akademii nauk SSSR..

(Tobacco) (Plants, Effect of nitrogen on)

	Theory biol. 3	of phasic devel 17 no.3:341-357 (BOTANYPHYSIC	Lopment and My-Je 154. DLOGY)	the age	of plants. (PLANTS))	(MIRA 7:9)	

VOLODARSKIY, N.I.; BYKOVSKAYA, I.P.

Effect of varying soil moisture on tobacco crop in connection with the developmental period. Dokl.AN SSSR 95 no.1:187-190 Mr '54.

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1. Kubanskiy sel'skokhozyaystvennyy institut Krasnodar.

(Tobacco) (Soil moisture)

VOLODARSKIY, N. I.

Effect of nitrogen mutrition on the time of flower bud development in tobacco. Fisiol.rast. 2 no.1:75-80 Ja-F '55.

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Vorobneskiy USSR/ Agriculture - Plant physiology

Card 1/1

Pub. 22 - 50/60

Authors

Volodarskiy, N. I.

Title

Effeit of leaves of various stages on the budding period of tobacco

Periodical :

Dok. AN SSSR 100/4, 797-800, Feb 1, 1955

Abstract

Investigations were conducted to determine the photo-periodical activity of tobacco leaves in connection with the stages of their development. A close relation was established between the growth processes of tobacco leaves, the physiological development of metameric organs of the leaves and the conclusion of the light stage of the plan growth. Eight USER references (1948-1952). Tobles; graphs.

Institution : The Ruben Agricultural Institute, Krasnoder

Presented by: Academician A. L. Kursenov, November 30, 1954

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860630004-3"

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VOLODARSKIY, Semen Mikhaylovich; MAN'KO, P.A., otvetstvennyy redaktor;

SHAUHAK, Ye.N., redaktor; KAMOLOVA, V.M., tekhnicheskiy redaktor

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Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1956.

105 p. (MIRA 9:11)

(Boilers, Marine)

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AUTHOR: Volodarskiy, N. I.

20-3-41/52

TITLE:

Florescence in Chrysenthemum Under Continuous Illumination (Zatsvetaniye khrizantemy pri nepreryvnom osveshchenii).

W. I.

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 117, Nr 3, pp. 504-506 (USSR)

ABSTRACT:

The large-blossom Chrysanthemum is regarded as the classical model of an ephemeral plant, which does not blossom under continuous illumination. Observations on plants grown in continuous daylight showed that in the development of the entire plant-organism the correlative relations between the different organs are decisive. (The daylight was prolonged based upon the calculation of: a 200 Watt bulb to 1 squ.m). The author says that at the experiments carried out the "light stadium" of the Chrysanthemums took a satisfactory course without any "darkness reactions", which are considered to be inevitable for the photo-periodical reaction with the ephemeral plants. The results show, that the main shoot and the side shoots have different claims as regards photo-periodical conditions: in comparison to the main shoot the side shoots proved to be decidedly more ephemeral. At continuous illumination of the plant no florescence of the

Card 1/2

Florescence in Chrysanthemum Under Continuous Illumination 20-3-41/52

when the top of the main shoot was removed early (at the first signs of buds at a normal light change) and only one of the three top shoots of the plant was left, the latter showed no sign of a bud. Exact investigation of the properties of the morphogenesis as well as of the correlative regularities of the ontogenesis with the Chrysanthemum could contribute quite a lot to the investigation of the plant-characteristics. There are 2 figures, 1 table.

ASSOCIATION: Ruber Tabtitute of Agriculture, Kraenodar (Kubanskiy

sel'skokhozyaystvennyy institut g. Krasnodar)

PRESENTED: June 28, 1957, by A. L. Kursanov, Academician

SUBMITTED: May 30, 1957

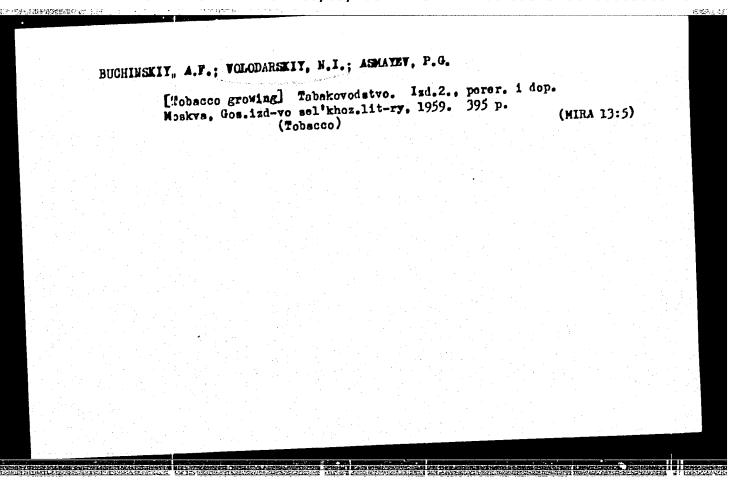
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1. Eubanskiy sel'skokhosyaystvennyy institut. (Kosenko, Ivan Sergesvich, 1896-)		Je	'57						birth			,	(RIR)	A 10:	7)		
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VOLOBARSKIV. Nikelay Il ich: RATHNER, Ye.I., doktor biol.nauk, prof., otvstatvennyy red.; SAMYGIN, G.A., red.izd-va; MAXUNI, Ye.V., teknn.red.

[Role of nitrogen in the ontogenesis of tobacco] Rol azota v ontogeneze tabaka. Moskva, Izd-vo Akad.nauk SSSR, 1958. 187 p. (Plants, Rffect of nitrogen on) (MIRA 11:6) (Tobacco)



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	Drought resistance of corn in ontogeny. Fiziol. rast. 7 no.2:216— (MIRA 14:5) 219 60.	
	1. Kuban Agricultural Institute, Krasnodar. (Corn (Maize) Water requirements))	
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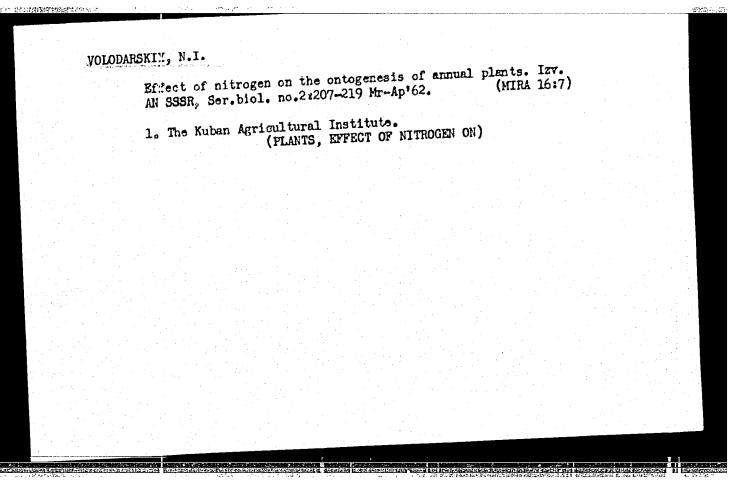
VOLODARSKIY, N.I.; POTSELUXEVA, V.G.

Effect of gibberellin and the length of the day on the development of teasel. Dokl. AN SSSR 154 no.2:476-479
Ja 64. (MIRA 17:2)

l. Kubanskiy sel'skokhozyaystvennyy institut, Krasnodar. Predstavleno akademikom A.L. Kursanovym.

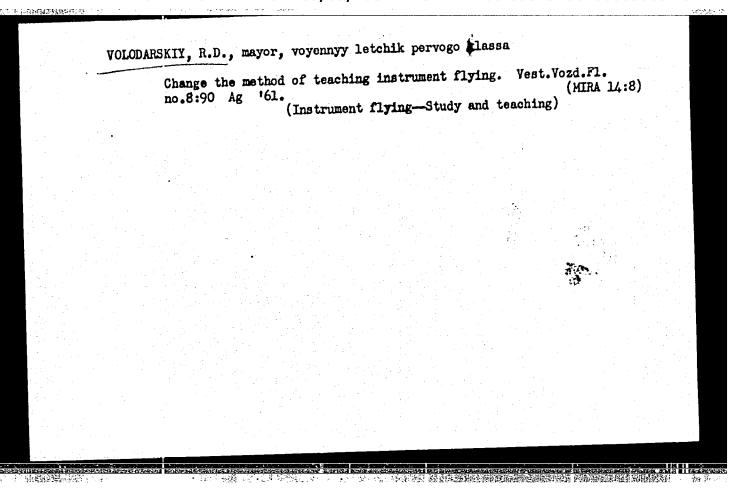
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VOLODARSKIY, N.I. Flowering of short-day plants under conditions of continuous illumination. Dokl.AN SSSR 138 no.2:473-476 My *61. (MIRA 14:5) 1. Kubanskiy sel'skokhozyaystvennyy institut, g. Krasnodar. Predstavleno akademikom A.L.Kursanovym. (Plants, Flowering of) (Photoperiodism)

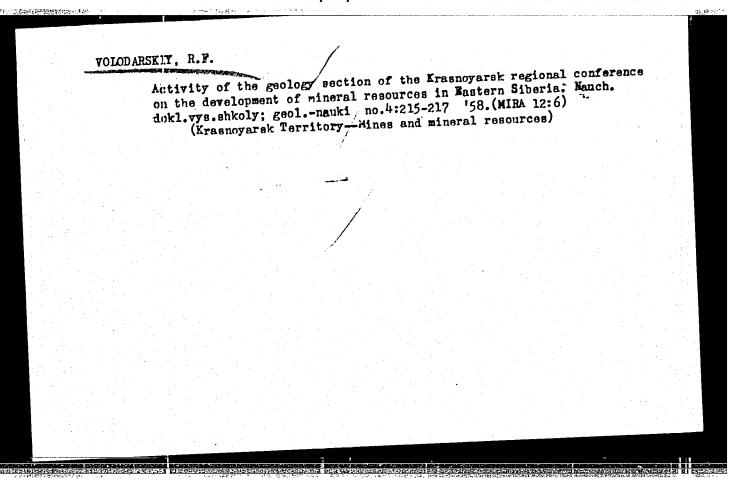


VOLODARSKI', N.I., prof.

Tillage problems in Sweden. Zemledelie 26 nc. 4.90-96 Ap '64.
(MIRA 17:5)



VAZHIN, ?., polkovník; VOLODARSKIY, R., mayor, voyennyy letchík pervogo klassa Substantiate your decision. Av.i kosm. 46 no.9:31-34 S '63. (MIRA 16:10)



VOLODARSKIY, R.F.

Some problems in interpreting the results of gravity surveys in regions of western Bashkiria and eastern Tatarstan. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 14 no.1:177-181 159. (MIRA 12:9)

1. Moskovskiy gosudarstvennyy universitet, Kafedra geofiziki.
(Bashkiria--Gravity) (Tatar A.S.S.R.--Gravity)
(Geology, Structural)

VOLODARSKIY, R.F.

Gravity anomalies caused by horizontal variation of rock densities in sedimentary deposits of the eastern regions of the Russian Platform. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 14 no. 4: 83-84 159.

1. Kafedra geofiziki Moskovskogo universiteta.
(Tuymazy region-Gravity)

Interpreting gravity anomalies in the eastern regions of the Russian Platform in the light of present-day geological and georphysical data. Rauch.dokl.vys.shkoly; geol.-geog.mauki no.2:216-222 '59. 1. Rostovskiy-na-Donu universitet, geograficheskiy fakul'tet. (Russian Platform-Gravity)

WOLODARSKIY, R.F. Geclogical significance of zones with high gravity gradients in various regions of the Russian Platform. Vest.Mosk.un.Ser.4: Geol. 15 no.l:ll-14 '60. (MIRA 14:4) 1. Kafedra geofiziki Moskovskogo universiteta. (Russian Platform--Gravity)

s/035/62/000/005/093/098 A055/A101

AUTHOR:

Volodarskiy, R. F.

TITLE:

Structure of the Earth's crust in the central regions of the West-

Siberian lowland, according to gravimetric data

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 5, 1962, 39, abstract 50215 ("Vestn. Mosk. un-ta Geologiya", 1960, no. 5, 13 -

21)

Under the assumption that the density of the Earth's crust is constant, the Mohorovicic discontinuity depths for the central regions of the TEXT: Irtysh syneclise were calculated, on the electronic computer "Strela", from the Bouguer anomalies and by the method of Tsuboi (Tsuboi, V., "Bull. Geol. Soc. of Am.", 1956, 67, 41), the essential features of which are described in the article. The thickness of the Earth's crust near the village of Korkino was assumed to be equal to 30 km, in accordance with the data supplied by the explosion of 1,800 tons of ammonal in 1936. The difference between the densities of the crustal and subcrustal substances was taken equal to 0.3 g·cm⁻³. According to the re-

Card 1/2

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Structure of the...

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A055/A101

sults cited by the author, the thickness of the crust varies from 40 to 25 km.
The distribution of the Mohorovicic discontinuity depths is described. The author points out that the results are questionable.

P. Vuytsman

[Atstracter's note: Complete translation]

Regional gravinetric studies in eastern areas of the Russian Flatform. Vest. Mosk. un. Ser. 4: Geol. 15 no.6:59-63 N-D '60. (MIRA 14:1) 1. Enfedra geofiziki Moskovskogo universiteta. (Russian Flatform—Gravity prospecting)

VOLODARSKIY, R.F. Crustal structure in the central regions of the Yest Siberian Plain, based on gravimetric data. Vest. mosk. un. Ser. 4: Geol. 15 no. 5:13-21 S-0 '60. (MIRA 13:12) 1. Kafedra geofiziki Moskovskogo universiteta. (West Siberian Plain--Earth--Surface)

V.I.; VOLODARSKIY, Expediency of comp Geofiz.razved. no (G	uting second deriva .4:37-44 '61. ravity prospecting)	tives of	gravity	(MIF	M 14:7)
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1. Moskovskiy posudarstvennyy universitet. (Amur ValleyGeology, Structural) (Zeya ValleyGeology, Structural) (Gravity prospecting)	<u>-</u>	VOLOD	Geold Amur	ogica -Zeya	il ir a Dep	11.6997	etati	•					ano 81-8	ali 8	es 1 61.	n ti MIR	1e A 14:	11)		
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VOLODARSKIY, R.F.; ARONOV, V.I.; D'YAKONOV, Ye.G.; SHIRIKOV, V.F.; FEDYNSKIY, V.V., doktor fiz. mat. nauk, prof., red.; ZARETSKAYA, A.I., ved. red.; BASHMAKOV, G.M., tekhn. red.

[Use of electronic calculating machines to interpret gravity and magnetic fields]Primenenie elektronno-schetnykh mashin dlia interpretatsii gravitatsionnykh i magnitnykh polei. Pod red. V.V.Fedynskogo. Moskva, Gostoptekhizdat, 1962. 74 p. (MIRA 15:9)

(Electronic calculating machines) (Gravity)
(Magnetic anomalies)

S/169/62/000/001/001/083 D228/D302

AUTHOR:

Volodarskiy, R. F.

TITLE:

Crustal structure of central districts of the West Siberian Lowlands according to the data of gravimetry

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 1, 1962, 6-7, abstract 1A49 (Vestn. Mosk. un-ta, Geologiya, no. 5,

13-21)

TEXT: The peculiarities of the crustal structure for the central areas of the Irtysh syneclise are defined more accurately in a Bouguer-reduction map of the gravity anomalies. The following pattern is noted: The approach of the Mohorovicic boundary to the daylight surface corresponds to positive anomalies (oceanic troughs), while the thickening of the crust corresponds to negative anomalies. tive anomalies (regions of young folding). The resulting structural map of depths to the Mohorovicic surface is an approximate scheme, since in its construction the assumption is made that only one density boundary exists between the crust and mantle. The me-

card 1/3

S/169/62/000/001/001/083 D228/D302

Crustal structure of ...

thod of Tsuboy is stated. It follows from the theory's description that the method may be applied even if the depth of the surface under investigation is only known at one point. A depth of 30 km was taken for the original surface. The density difference was assumed to equal 0.3 g/cm³. Alternating bands of uplifted and subsided areas are noted in the vicinity of the Irtysh syneclise. The average value of the crustal thickness varies from 25 to 40 km. It is accepted that somewhat heightened data are obtained during the use of Tsuboy's method, and also as a result of the assumed presence of only one discontinuity surface for the density. On the assumption, however, that the depths are raised by 30%, it has to be stated that there is a large and deep downwarp in the crust testifying to the presence of deep ancient fractures traced to great depths. The magnetic map confirms the presence of positive and negative anomaly bands with a north-westerly direction. The discordance between the relief of the Mohorovicic surface and the relief of the pre-Jurassic crystalline basement is noted. Calculations showed that the gravity anomalies observed within the Irtysh

Card 2/3

Crustal structure of ...

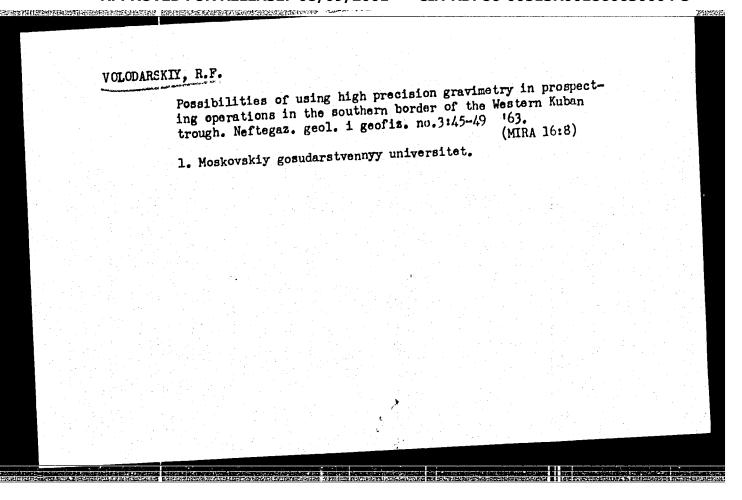
S/169/62/000/001/001/083 D228/D302

syneclise are, on the whole, determined by the relief of the Mohorovicic surface. The analysis of the data shows that for the present there is no clarity for the question of the relation between the abyssal crustal structure, the petrographic heterogeneity of the rocks of the crystalline basement, and the structures in the sedimentary crust. The necessity is noted for the joint execution and interpretation of gravimetric and seismic work.

Abstractor's note: Complete translation.

Card 3/3

	Structural and tectonic plan of the Amur-Zeya Depression based on geophysical data. Sov.geol. 5 no.5:131-135 My '62. (MIRA 15:7)
	 Moskovskiy gosudarstvennyy universitet imeni Lomonosova. (Zeya-Bureya Plain—Geology, Structural)

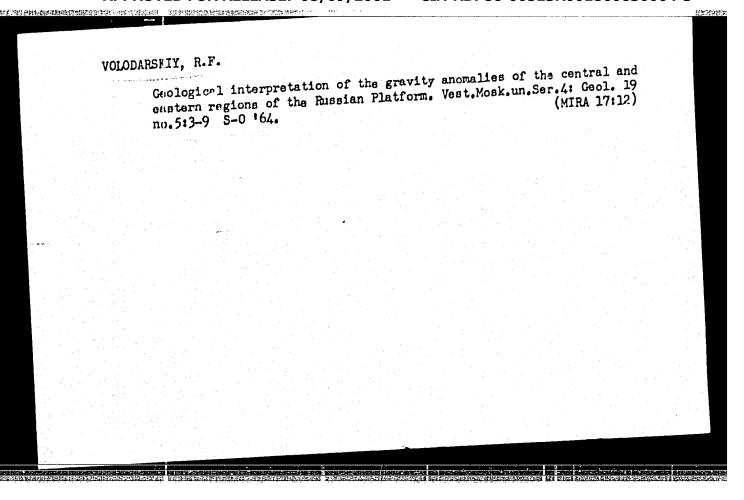


VOLODALSKIY, R.F.; GOLOMB, V.E.

Density characteristics of the rocks of the crystalline basement of western Bashkiria and the eastern Tatar A.S.S.R. and their gravitational effect. Neftegaz.geol.i geofiz. no.9:47-51 163. (MIRA 17:3)

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova i Vsesoyuznyy nauchno-issledovatel skiy institut geofizicheskikh metodov razvedki.

1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.	1. Moskovskiy gosudarstvennyy universitet im. Lomonosova.	Namber tilen erst Orderline	Comparing large with the basic gool. i geofiz.	no.2:26-31	164.		(PA.	IRR Eller	
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VOLODARSKIY, R.F.; FIVOVAROV, B.L.

Subsurface crustal structure in the northeastern regions of the West Siberian Flain. Geol. 1 goofin. no.8:105-107 '64 (Mina 18:2)

1. Moskovskiy gosudarstvennyy universitet impal ichantsova.

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VOLODARSKIY, R.F.; PUSTIL'NIKOV, M.R.

Geological effectiveness of gravinetric methods for studying
western Ciscaucasia. Sov. gaol. 7 no.1:105-112 Ja '54.

(MIRA 17:6)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova
i Trest "Krasnodarneftegeofizika."

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860630004-3

SOURCE CODE: UR/0169/65/000/009/G003/G003 EWT(1)/FCC GW L 12985-66 AR6000806 ACC NR:

SOURCE: Ref. zh. Geofizika, Abs. 9G13

TITLE: Investigation of the distribution of gravitational and magnetic fields in

the Caucusus rigion in the vertical plane

CITED SOURCE: Sb. Geofiz. issledovaniya. No. 1. M., Mosk. un-t, 1964, 171-183

TOPIC TAGS: magnetic field, geomagnetism, gravitation field

TRANSLATION: Diagrams are given for the distribution of fields in the vertical plane plotted by recalculating the gravitational and magnetic anomalies at altitudes of 3, 6, 10, 20 and 30 km in the upper half-space and depths of 1.5 and 3 km in the lower half-space based on a numerical solution of the Poisson integral on a digital computer. The author assumes that if an anomaly in the force of gravity due to a given structural element fades out at a certain altitude above the surface of the earth, then this element degenerates as a structural subdivision at an equal depth bélow the surface of the earth. On this basis, the Azov shelf of the Ukrainian

Card 1/2

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shield "fades out" as a structural upheavel at depths of 10 km, the ridge of the Karpinsk shield disappears at depths of 20-30 km, while the Caspian Basin and the depressions of the western Kuban and Tersko-Caspian downwarps are clearly traced on all converted maps. These latter formations appear in the form of downwarps along the Conrad and Mohorovicic discontinuities, and consequently are the oldest structures in this territory. Juncture of different structural elements takes place in areas of increased horizontal gradients in the force of gravity due to deep fractures in the earth's crust. No relationship was found between the distribution of the magnetic field with respect to altitude and the location of structural elements in the Caucusus region.

SUB CODE:

ACC NR: AT7000191)

UR/0000/64/000/000/0184/0195 SOURCE CODE:

AUTHOR: Volodarskiy, R. F.

ORG: none

TITLE: Tectonic diagram of the Paleozoic basement of the southern part of the West Ciscaucasus based on geophysical data

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow, Izd-vo Mosk. univ., 1964, 184-195

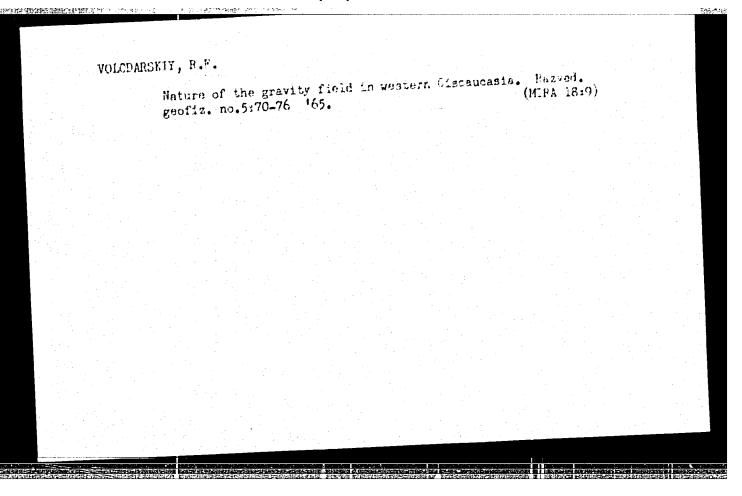
TOPIC TAGS: seasmic prospecting, earth crust, gravity survey, tectonic seasons Ciscaucasus

ABSTRACT: A structural map of the Paleozoic basement of the southwestern part of the Ciscaucasus has been compiled on the basis of gravity anomalies recomputed for a height of 10 km. For agreement in numbering between isohypsal lines and the depths indicated by the seismic prospecting correlation method of refracted waves, the boundaries of the structural blocks are identical to the fault zones. In each block the numbering of the isohypses is dependent on the corresponding seismic data. The West Kuban' trough is a deep (10-11 km) depression on the surface of the basement inclined along the strike in the direction of the Sea of Azov. Less clearly defined is the East Kuban' trough separated from the former by a submeridional zone of

Card 1/2

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SOURCE CODE: UR/0000/64/000/000/0162/0170 ACC NRI AT7000188

Volodarskiy, R. F.; Gilod, D. A.; Demidova, M. A.

ORG: none

AUTHOR:

TITLE: Sketch map of the present-day surface of the folded basement of the Ciscaucasus from geophysical data

SOURCE: Noscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow, Izd-vo Mosk. univ., 1964, 162-170

TOPIC TAGS: Yearth crust, gravity survey, magnetic survey/Russian platform, Ciscaucasus

ABSTRACT: Comprehensive analysis of geologic, geophysical, and borehole materials, as well as analysis of gravity and magnetic maps recomputed for different levels of the upper half space, have resulted in a tectonic regionalization of the Ciscaucasus and the solution of problems dealing with the geologic structure of the area. The article contains maps of the tectonic zoning of the folded basement of the Ciscaucasus and the southern regions of the Russian platform and surface of the Paleozoic basement of the Ciscaucasus are given. Orig. art. has: 2 figures.

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"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860630004-3

UR/0000/64/000/000/0171/0183 SOURCE CODE: CC NR. AT7000189

AUTHOR: Volodarskiy, R. F.

ORG: none

TITLE: Investigation of the distribution in the vertical plane of the gravity and magnetic fields of Ciscaucasia

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow, Izd-vo Mosk. univ., 1964, 171-183

TOPIC TAGS: Yearth crust, gravity anomaly, Mohorovicic discontinuity, Conrad discontinuity, magnetic survey/Ciscaucasia

ABSTRACT: Diagrams of the field-distribution in the vertical plane are presented; they have been constructed by computing the gravity and magnetic anomalies for heights of 3, 6, 10, 20, and 30 km of the upper half-space and for depths of 1.5 and 3 km of the lower half-space on the basis of a numerical computer solution of the Poisson's integral. The author maintains that if the gravity anomaly associated with a given. structural element attenuates at a certain height above the surface of the earth, then this element reappears as a structural subdivision at the same depth beneath the earth's surface. Thus, the Azov projection of the Ukrainian crystalline shield "attenuates" as a structural uplift at depths of 10 km, the Carpathian ridge at depths of 20 to 30 km, and the Caspian basin and the west Kuban and Tersk-Caspian Card

ACC NR: AT7000189

troughs are clearly traced on all transformed maps. The latter appear in the form of troughs on the Conrad and Mohorovicic discontinuity and, consequently, are the most ancient structures in the region under study. Articulation of the various structural elements occurs along zones of increased horizontal gravity gradients associated with subcrustal faults. It was not possible to establish any relationship between the height distribution of the magnetic field and the distribution of the structural elements of Ciscaucus. Orig. art. has: 2 figures.

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'APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860630004-3

SOURCE CODE: UR/0000/64/000/000/0196/0204 ACC NR. AT700019.

AUTHOR: Volodarakiy, R. F.; Pivovarov, B. L.

ORG: none

TITLE: Some questions of the deep structure of the earth's crust in Ciscaucasia

SOURCE: Moscow. Universitet. Kafedra geofizicheskikh metodov issledovaniya zemnoy kory. Geofizicheskiye issledovaniya (Geophysical research), no. 1. Moscow. Izd-vo Mosk. univ., 1964, 196-204

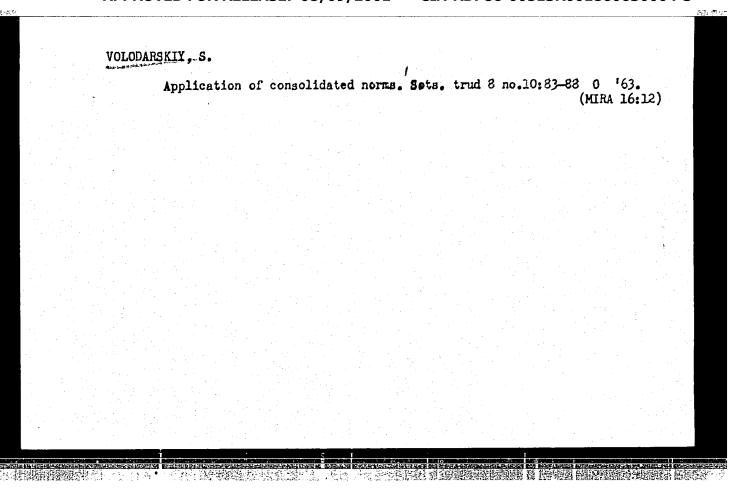
TOPIC TAGS: Yearth crust, Mohorovicic discontinuity, earth structure, Conrad discontinuity/Ciscaucasus

ABSTRACT: An attempt is made on the basis of analysis of geophysical, chiefly gravity data to map the deep tectonic structure of the central and eastern Ciscaucasus. The presence of two deep density interfaces, the Mohorovicic and the Conrad discontinuities is assumed. To compute the depth of the Moho discontinuity, the author use the formula $H_m=15.449+1.131~H_C=0.056~\Delta g_T$, where H_C is the mean depth of the Conrad discontinuity, and Δg_T are values of the regional gravity field. Construction of the Moho interface was made in two ways: on the basis of the Ag" field chart at a height of 30 km from a network of regional profiles and by using Tsuboi's method. The results obtained are almost identical. The following conclusions are made: 1) regions of increased crustal thickness are characterized by negative gravity

Card 1/2

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VOLODARSKIY, V.: SINYAKIN, F.P., red.; CHOTIYEV, S., tekhn.red.

[Economic effectiveness of the mechanization and automation of production] Ekonomicheskaia effektivnost' mekhanizatsii i avtomatizatsii proizvodstva. Frunze, Kirgizakoe gos.izd-vo, 1958.

61 p. (Mira 13:4)

(Automation) (Machinery in industry)

PHASE I BOOK EXPLOIMATION

SOV/4111

Volodarskiy, V.

Ekonomicheskaya effektivnost mekhanizatsii i avtomatizatsii proizvodstva (Economic Efficiency of Mechanization and Automation in Industry)
Frunce, Kirgizskoye gos. izd-vo, 1958. 63 p. 2,100 copies printed.

Ed.: F. P. Sinyakin; Tech. Ed.: S. Chotiyev.

FURPOSE: This booklet is intended for general readers interested in the mechanization and automation of industry.

COVERAGE: The booklet describes experience gained in determining the effectiveness of the mechanization and automation of production processes in the Kirgizskaya SSR, especially at the imeni Frunze Agricultural Machine-Building Plant. No personalities are mentioned. No references are given.

TABLE OF CONTENTS:

Introduction

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VARLAMOV, Ye.G.; VOLODARSKIY, V.I., ekonomist

Eliminate expenses due to inefficiency. Transp. stroi. 15 no.7:34-35
J1 '55. (MIRA 18:7)

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AUTHOR:

Volodarskiy, V.Ya.

SOV-115-58-3-32/41

TITLE:

On Utilizing the "VVT-D(3003)" Wave Meter (Ob ispol'zovanii

volnomera VVT-D (3003))

PERIODICAL:

Izmeritel'naya tekhnika, 1958, Nr 3, p 91 (USSR)

ABSTRACT:

The author tells how the decimeter-range precision wavemeter "VVT-D(3003)" can be readjusted for output frequencies of 1 megacycle, 100 kilocycles and 10 kilocycles with $\pm 5.10^{-6}$ error, by the way of a simple readjustment of its quartz generator. By using the frequency divider, frequencies below 10 kilocycles and a set of standard frequencies from 100 cycles to 1 megacycle with $\pm 5.10^{-6}$ accuracy can

be obtained.

1. Wavemeters--Performance

Card 1/1

CIA-RDP86-00513R001860630004-3" APPROVED FOR RELEASE: 08/09/2001

SOV/115-59-2-28/38

9(8) AUTHOR:

Volodarskiy, V.Ya., Kokhanovskiy, N.U.

TITLE:

On a Method for Checking the Modulometer of a Generator for Standard Signals of the Type GSS-6 (Ob odnom metode poverki modulometra generatora standartnykh signalov

tipa GSS-6)

PERIODICAL:

Izmeritel'naya tekhnika, 1959,

Nr 2, pp 50-51

(USSR)

ABSTRACT:

As there are no industrial models of modulometers for measuring modulation coefficients of low output signals, the checking of modulometers of a type GSS-6 standard signal generator is complicated. With the help of a simplified diagram, the author explains the working process of the GSS-6 generator and the method for checking the GSS-6 modulometer - using the pulsating voltage, that varies according to the high frequency signal law.

Card 1/1

There is 1 circuit diagram.

9(9)

Volodarskiy, V.Ya.

sov/115-59-3-23/29

AUTHOR:

TITLE:

The Use of the High-Precision Wavemeters 44-I (Ob ispol'zovanii volnomerov vysokoy tochnosti 44-I)

PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 3, p 51 (USSR)

ABSTRACT:

The instrument 44-I is a high-precision wavemeter for the three centimeter range (the frequency range of 8,900 to 10,000 mc), whereby the frequency measurements are performed on the tenth harmonic of a decimeter oscillator. The circuit arrangement and the design of the instrument easily permit its application on a wider frequency range - from 100 to 10,000 mc - when working on the harmonics of the signal and the decimeter oscillator. Since the wave guide of the 44-I instrument acts as a limiter for frequencies below 8,900 mc and causes a considerable attenuation, it is necessary to feed the signal directly to the mixer. For this purpose, a section of insulated wire is introduced into the wave guide until it touches the crystal detector. Experience

Card 1/2

SOV/115-59-3-23/29

The Use of the High-Precision Wavemeters 44-I

shows that the sensitivity of the wavemeter is 100 microwatts within the entire range. The frequency measurements in the range of 100 to 10,000 mc are performed in the usual manner. For determining which number of the harmonics of the frequency to be measured, and the decimeter oscillator, result in zero beat, it is necessary to know in advance the approximate value of the frequency to be measured. This value may be determined by a resonance wavemeter for the respective range.

Card 2/2

06200 sov/115-59-11-28/36

9 (2)

AUTHOR:

Volodarskiy, V.Ya.

Remarks on Change Nr 1 of Instructions 220-55 on Check-

ing GCh-1M Heterodyne Frequency Meters TITLE:

PERIODICAL: Ezmeritel'naya tekhnika, 1959, Nr 11, p 63

The method of checking GCh-IM frequency meters without ABSTRACT:

a VECh ("Avangard") device, suggested by VNIIFTRI, contains a number of erroneous assumptions. The author elaborates these deficiencies in detail saying that they should be considered when revising the Change Nr 1 of Instructions 220-55. In a new issue of the attachment to Instructions 220-55, or in a revision of the Instructions, other simple and accurate methods of checking GCh-1M heterodyne frequency meters should be used, which do not require complicated and expensive equipment (for example, by the calibrating oscillator

KG-V). The author states that the checking of the frequency instability of the measuring generator is incomplete in Section I of the Changes Nr 1. The check-

Card 1/2

06200 SOV/115-59-11-28/36

Remarks on Change Nr 1 of Instructions 220-55 on Checking GCh-1M Heterodyne Frequency Meters

ing of the measuring generator in Section III is explained in such a manner that it contradicts the "Description and Operating Instructions of the GCh-lM". The author explains the correct version briefly.

Card 2/2

Using the 44-I	high-precision wavemeters. Ism.tekh. no.3:51 (MIRA 12:4)	
	(Radio frequency-Heasurement)	
		40.00

9(9) AUTHOR:

Volodarskiy, V.Ya.

sov/115-59-4-19/27

TITLE:

Checking High-Precision Wavemeters Without a Secondary Frequency Standard (O poverke volnomerov vysokoy tochnosti bez vtorichnogo etalona chastoty)

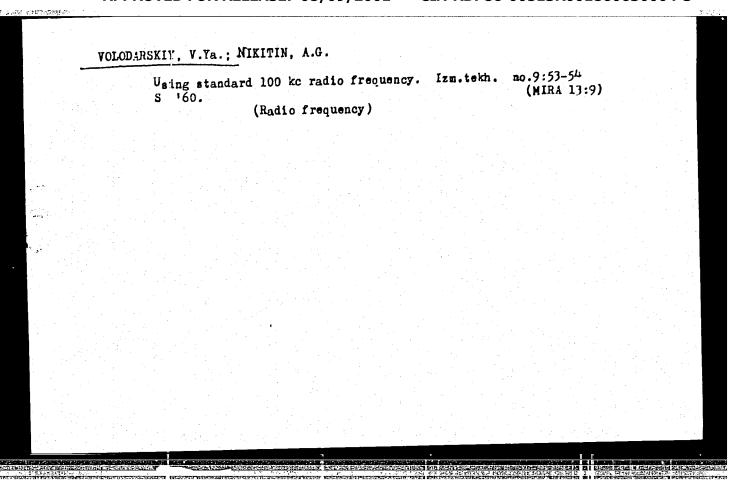
PERIODICAL:

Izmeritel'naya tekhnika, 1959, Nr 4, pp 35-36 (USSR)

ABSTRACT:

The author describes the procedures for checking the heterodyne frequency meter VVT-D without using a secondary frequency standard as prescribed in Instruction 219-55 of the Komitet standartov, mer i izmeritel nykh priborov (Committee of Standards, Measures and Measuring Instruments). A footnote says that new instructions for checking the technical condition of the high-precision frequency meters VVT-D will be published. Further, the author describes the checking procedure of high-precision wavemeter 44-1.

Card 1/1



WOLDDERSKIY, V.Ya. Testing heterodyne frequency meters and GSS-6 standard-signal generators. Izm.tekh. no.1247-48 Ja '63. (MIRA 16:2) (Frequency measurements) (Oscillators, Electric)

Use of an electron-counting frequency meter in checking pointer-type frequency meters. Izm. tekh. no.12:33-34 D '63. (MIRA 16:12)	
/mm totic)	

Checking the mistuning scales of audio-frequency RC oscillators. Izm. tekh. no.5:60-61 My '65. (MIRA 18:8)

Underground traffic intersections in Moscow. Transp.stroi. 10 no.6:19-23 Je '60. (MIRA 13:7) (Moscow--Underpasses)

VOLI)DARSKIY, Z.B.; IKOL, A.D., inzh.

Hudraulic SDG-1 bit-dressing machine. Gor. Zhur. no.5:50-51 My '60. (MIRA 14:3)

l. Nachal'nik otdela gornorudnogo oborduovaniya Proyektnokonstruktorskego i tekhnologicheskigo instituta(for Volodarskiy). (Boring machinery—Maintenance and repair)

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VOLCDARNKIY, Z.B.; KUZNETSOV, V.A.; TITOV, D.I.; SALOV, A.Ye.; DRO, S.M.;

DEMCHENKO, K.I.

Console and belt-type waste stacker. Biul.TSIICHM no.9:51
160.

(MERA 15:4)

(MERA 15:4)

Industrial testing of a rotary exc fire clay. Gor. zhur. no.4:47-49	avator for the many states and the many states are available.	recovery of (MINA 14:4)	
1. Dnepropetrovskiy proyektno-kons institut. (Excavating machinery)	truktorskiy tekl		